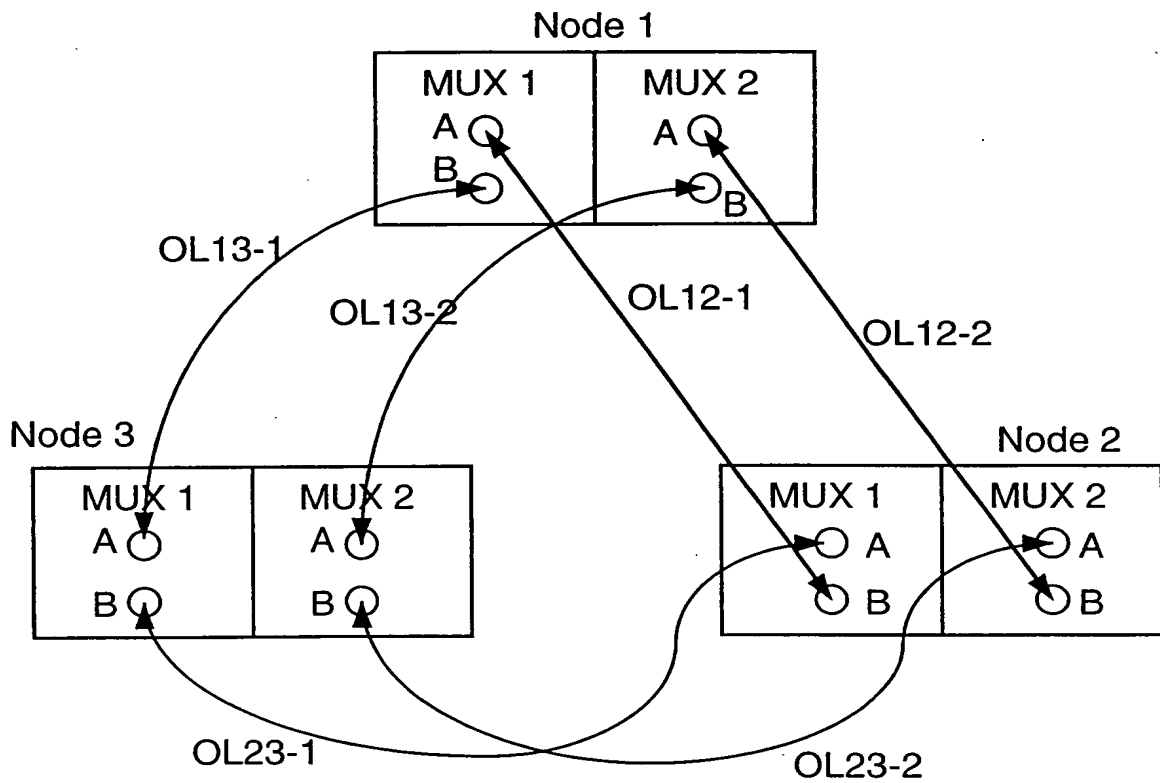


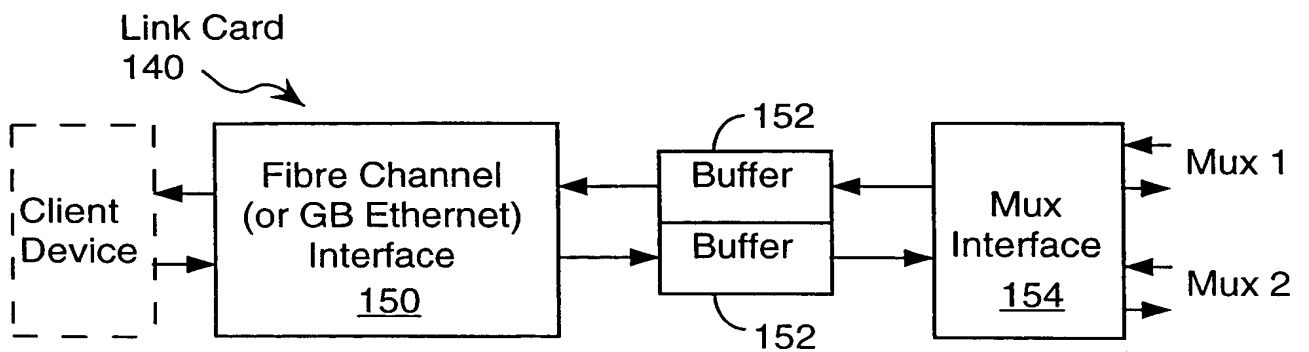
FIG. 1



Physical signal paths from Node 1 to Node 2:

OL12-1;  
OL12-2;  
OL13-1, OL23-1;  
OL13-2, OL23-2;

**FIG. 2**



**FIG. 4**

Link Multiplexer  
106

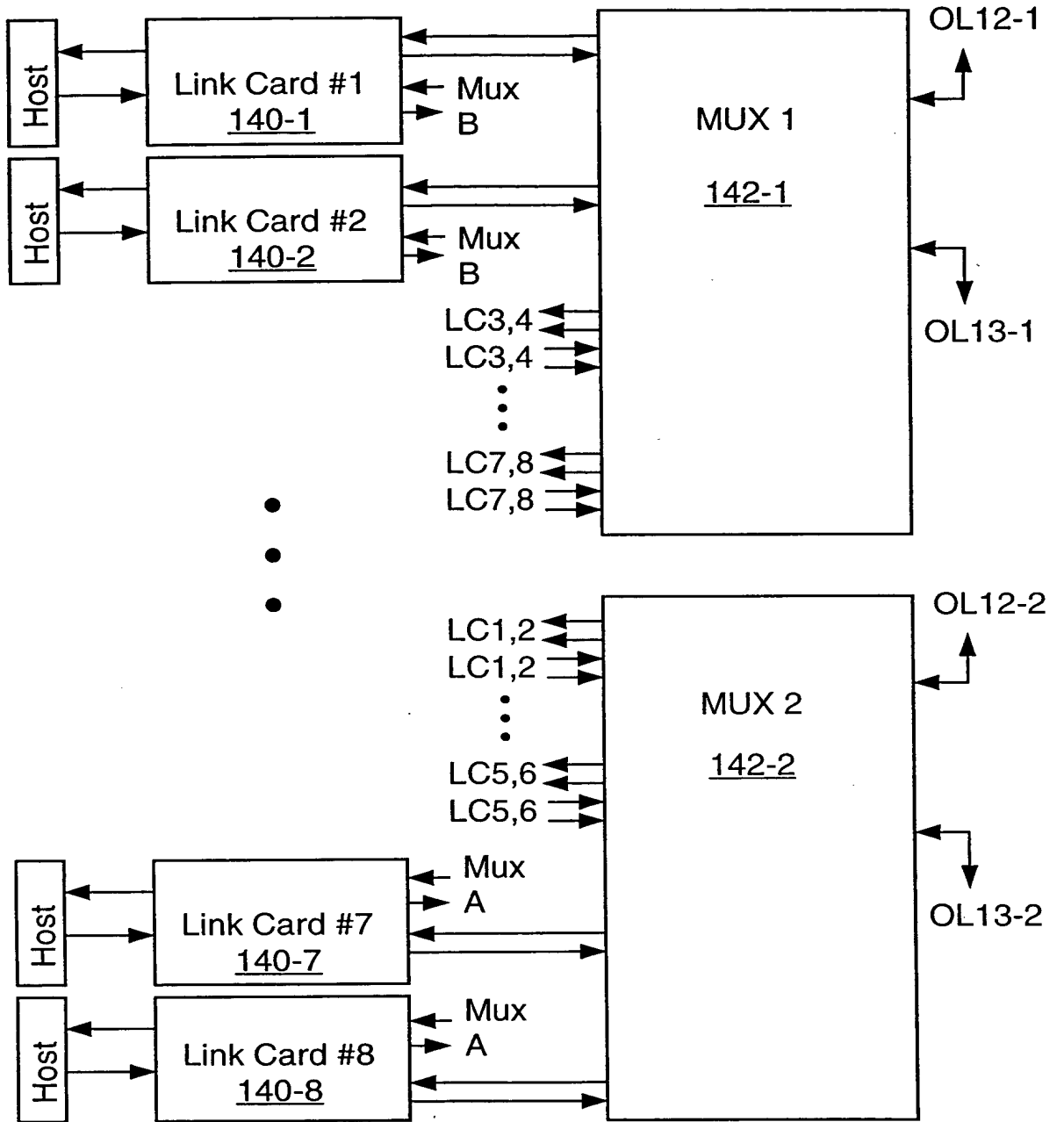


FIG. 3

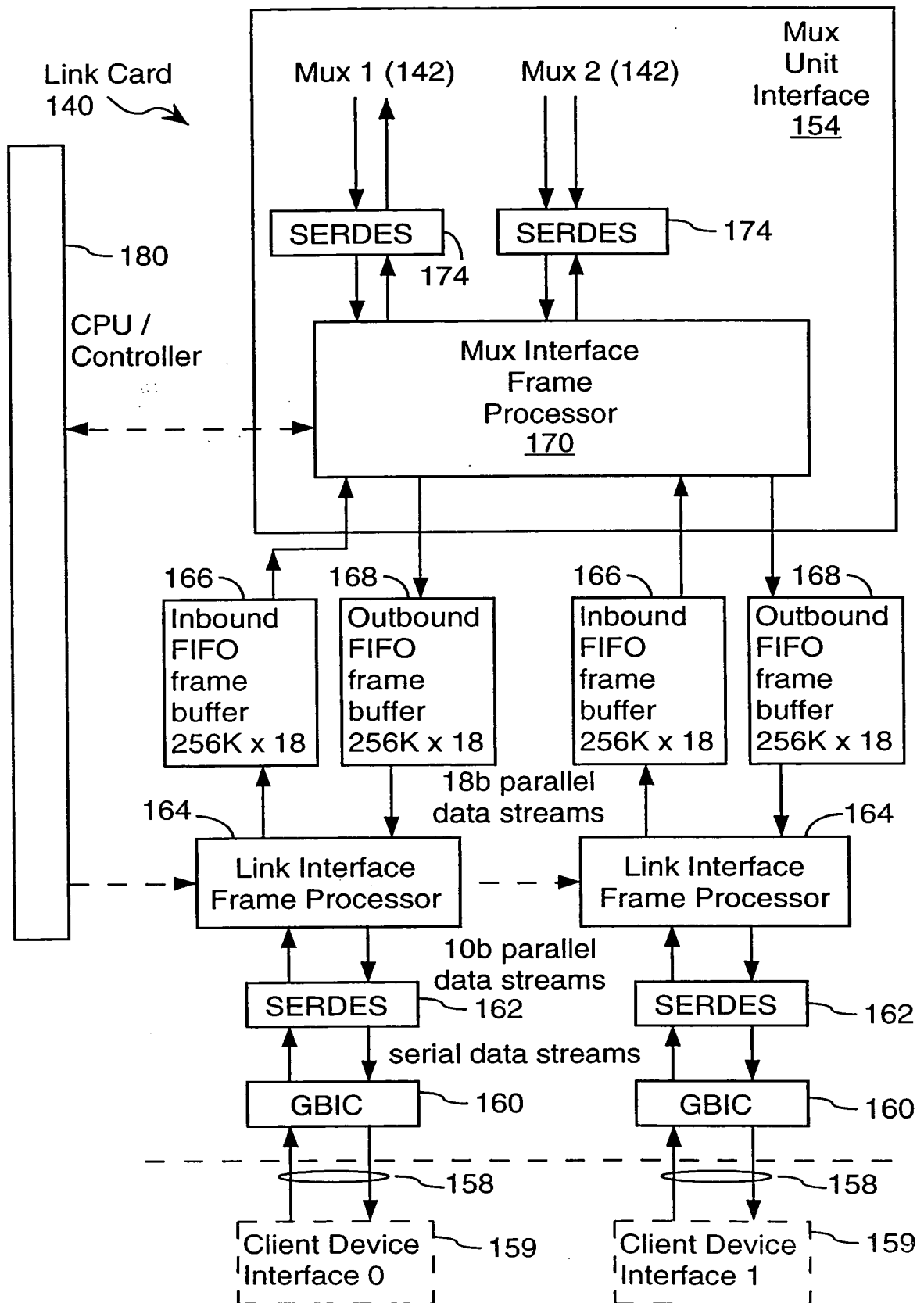


FIG. 5

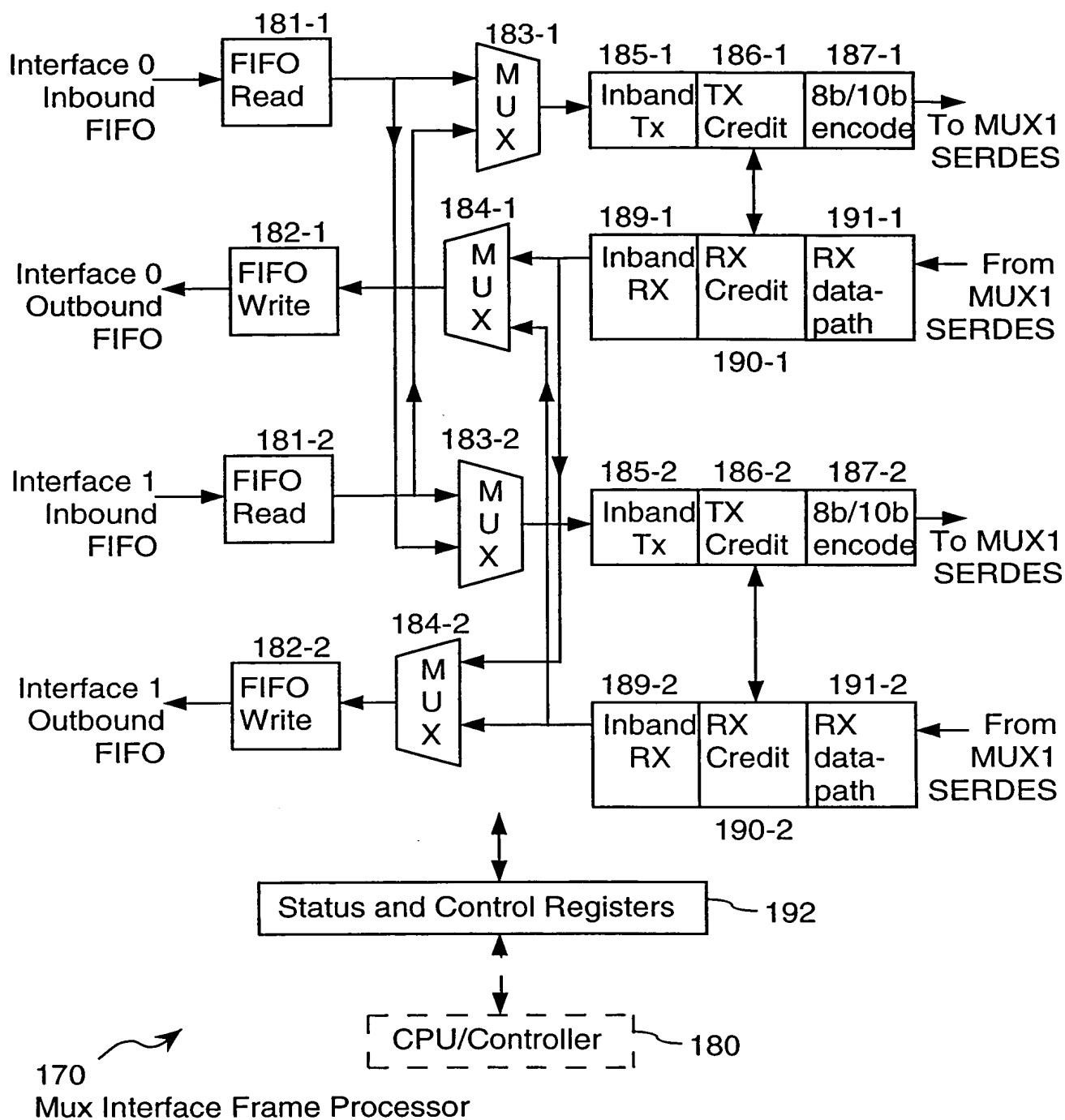


FIG. 6

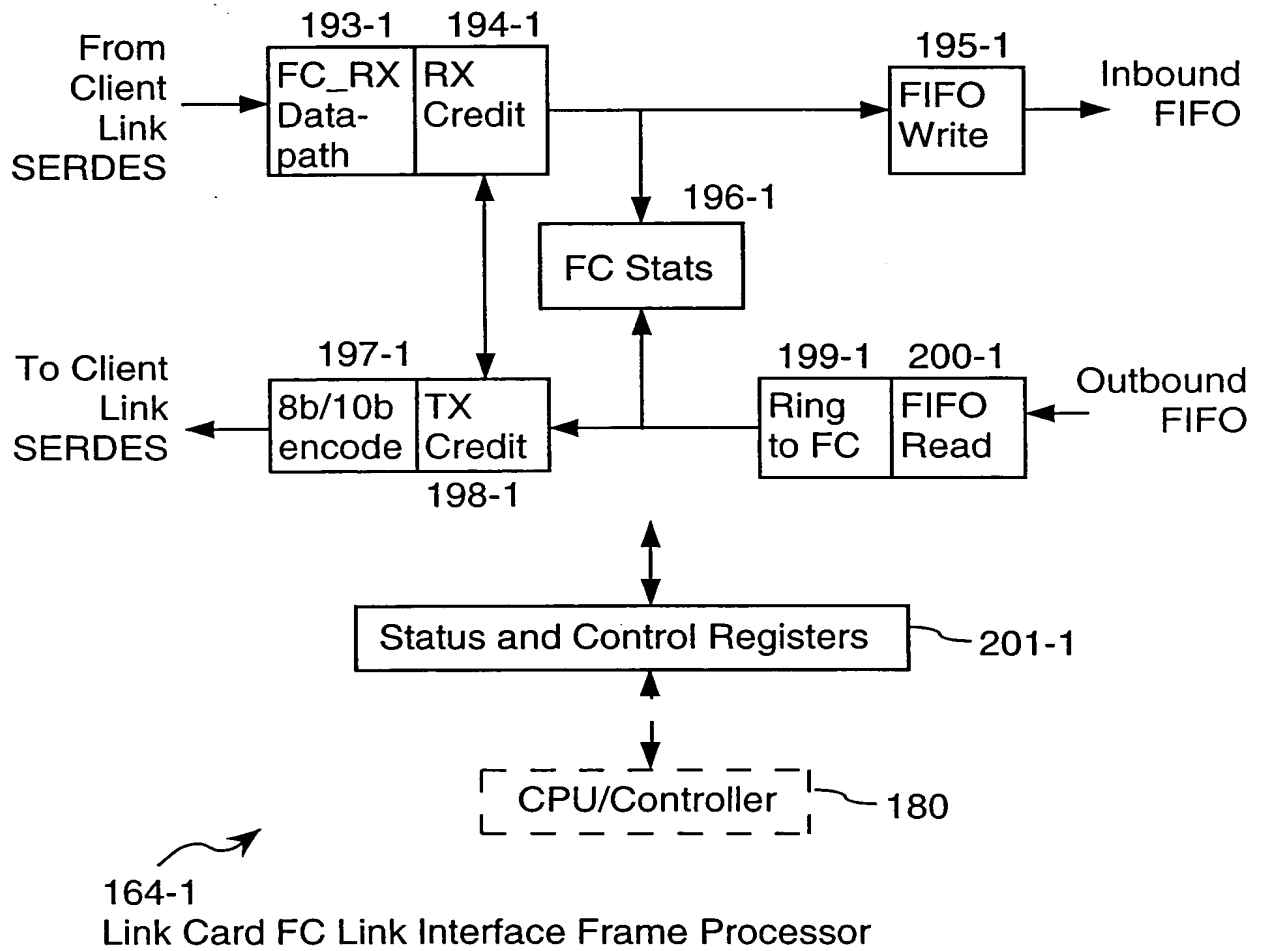


FIG. 7

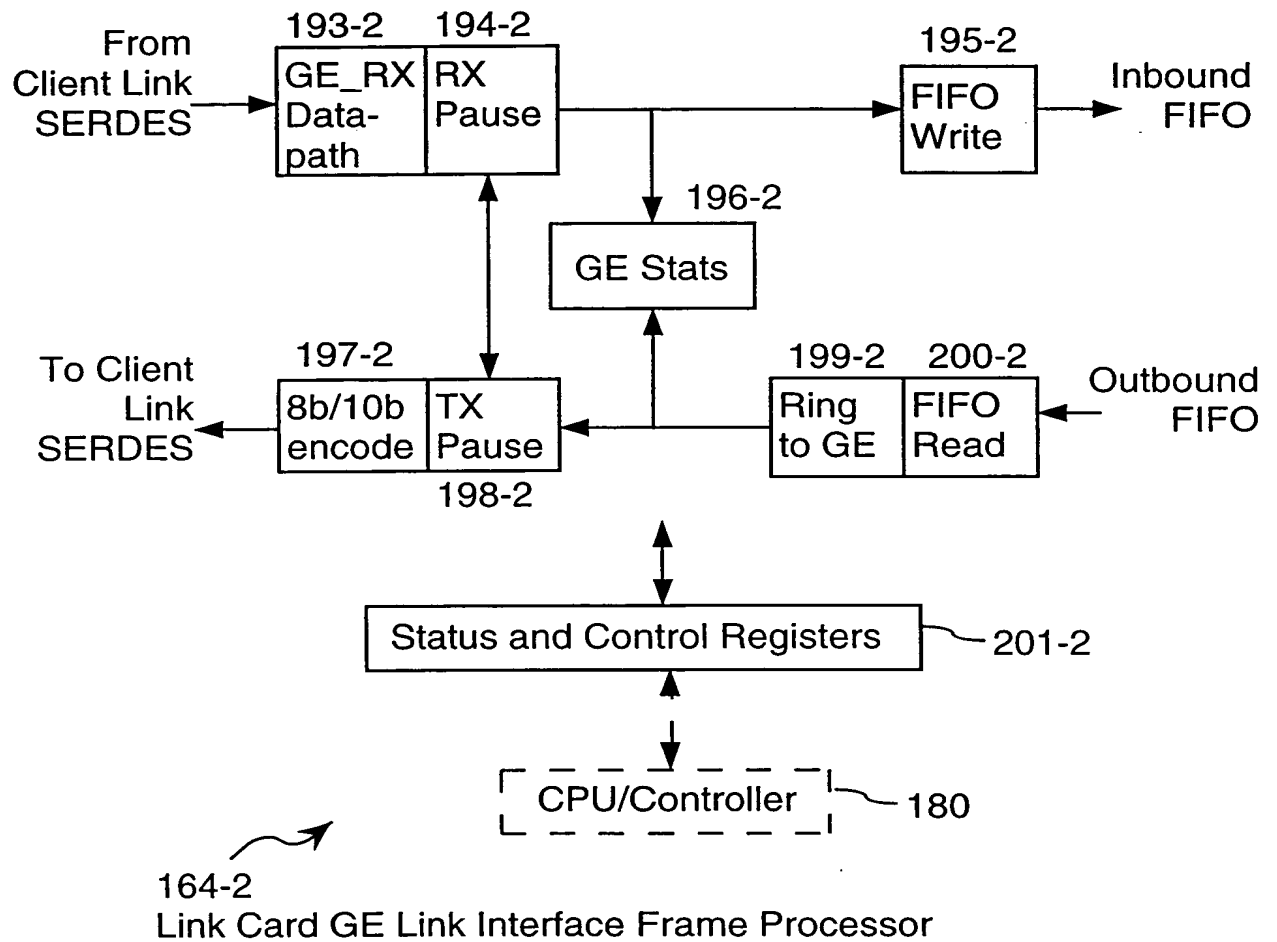
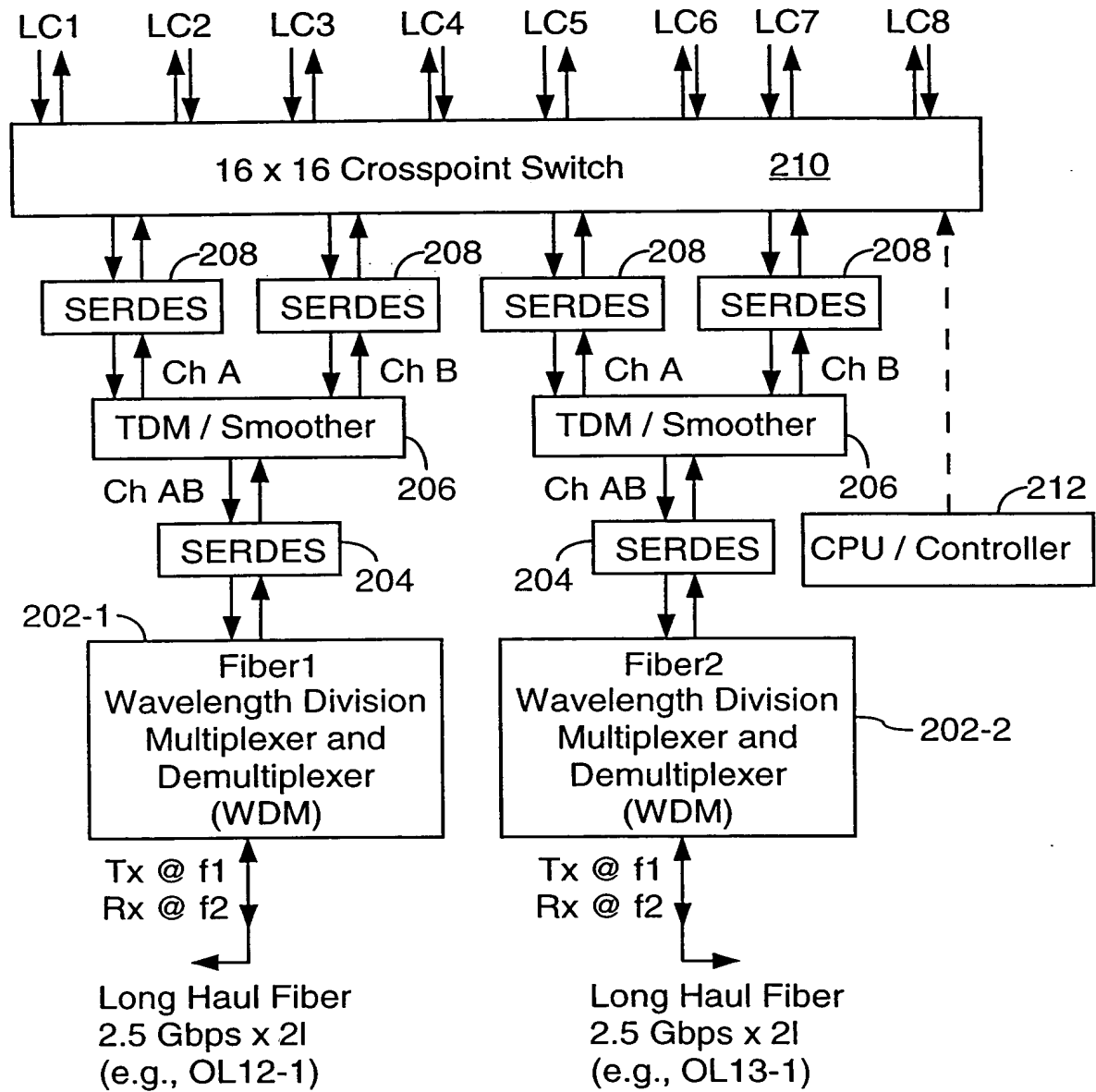


FIG. 8

MUX 1/2

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**FIG. 9**



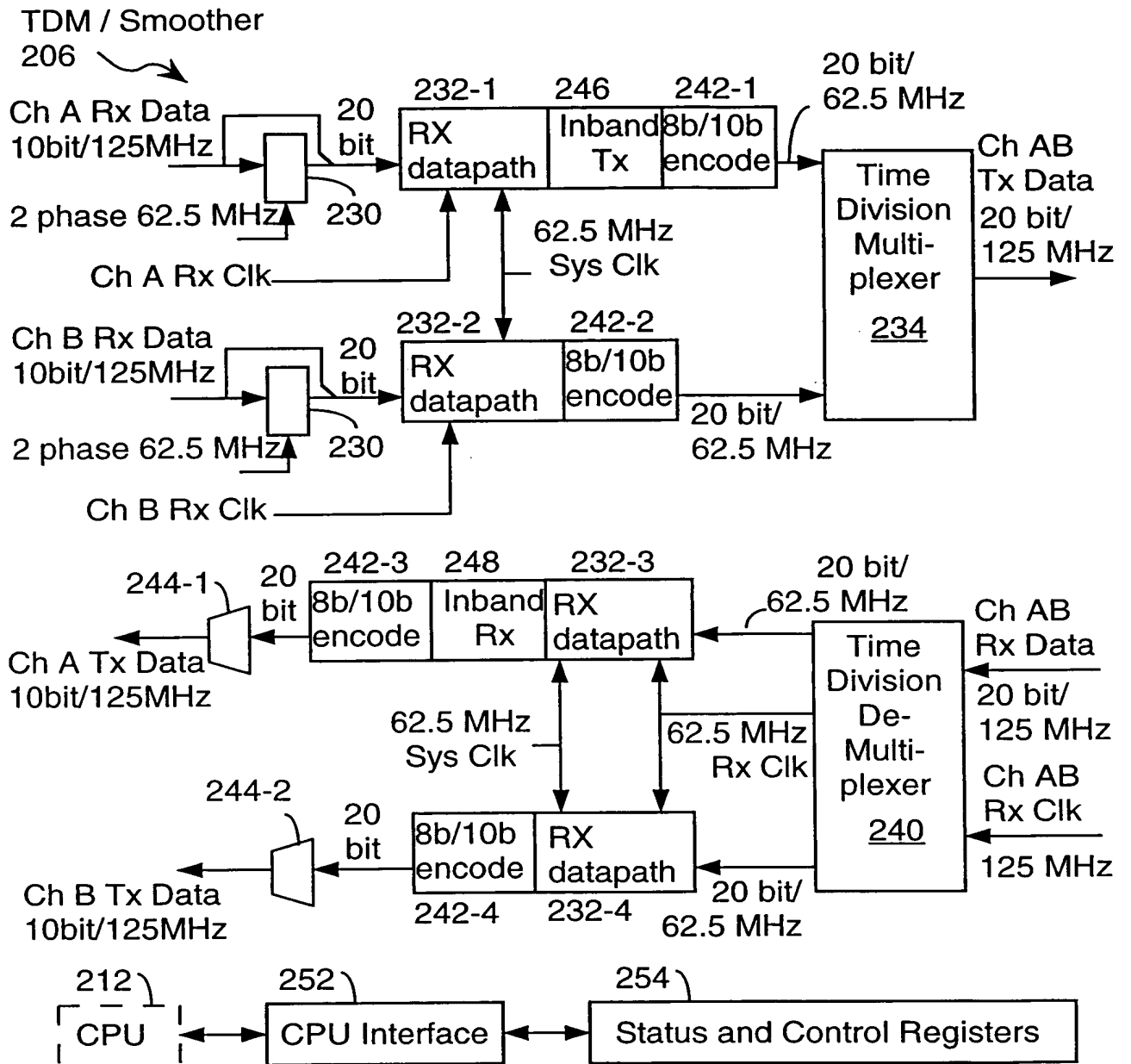


FIG. 10

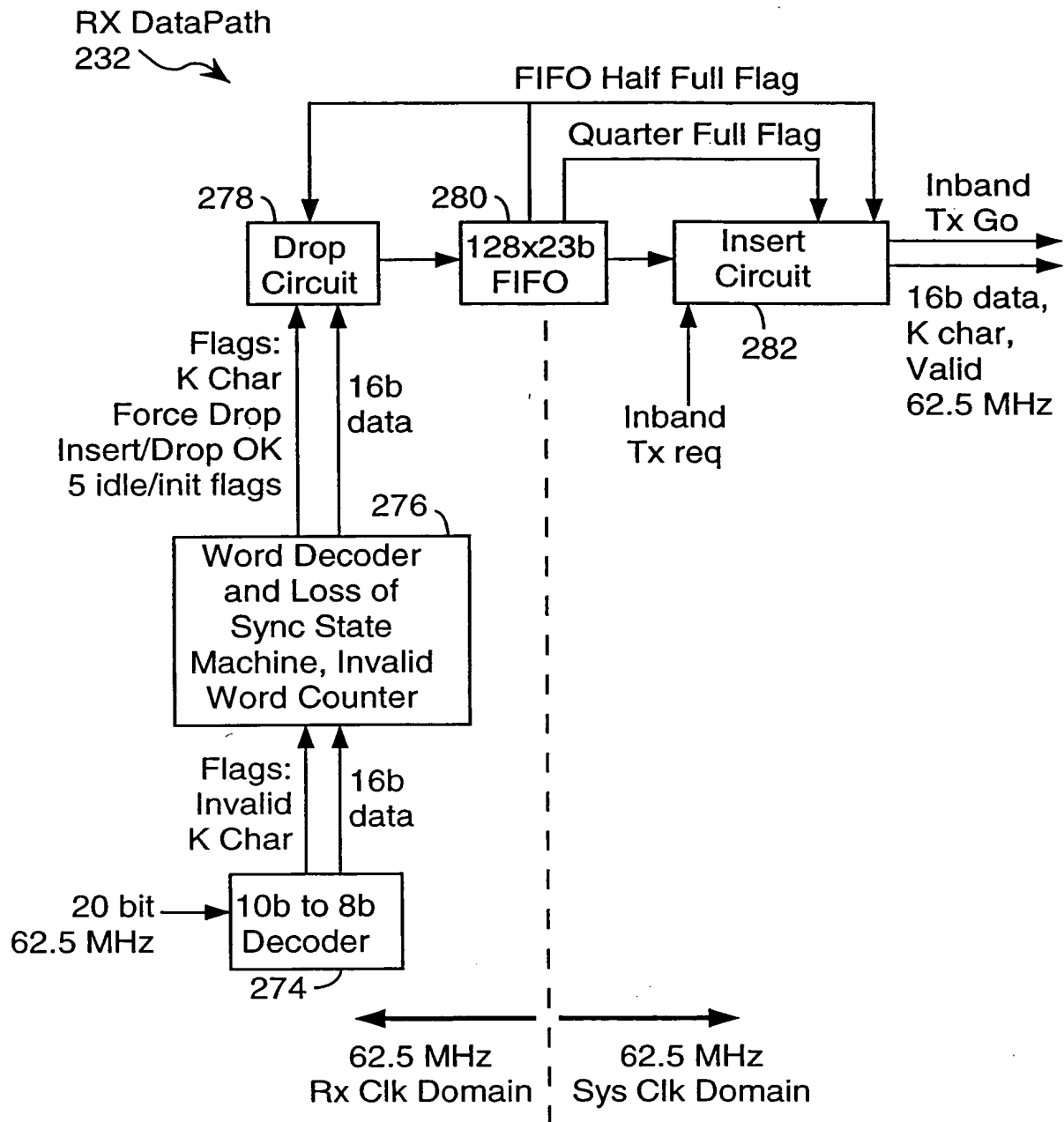


FIG. 11

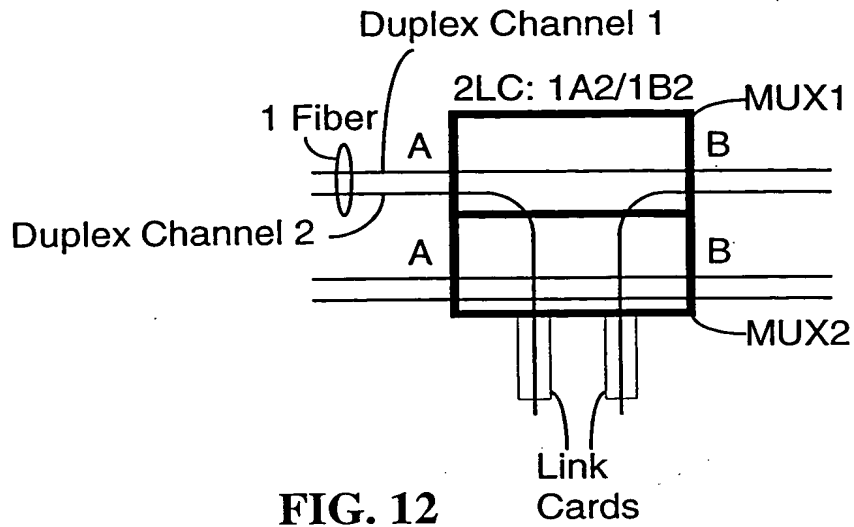
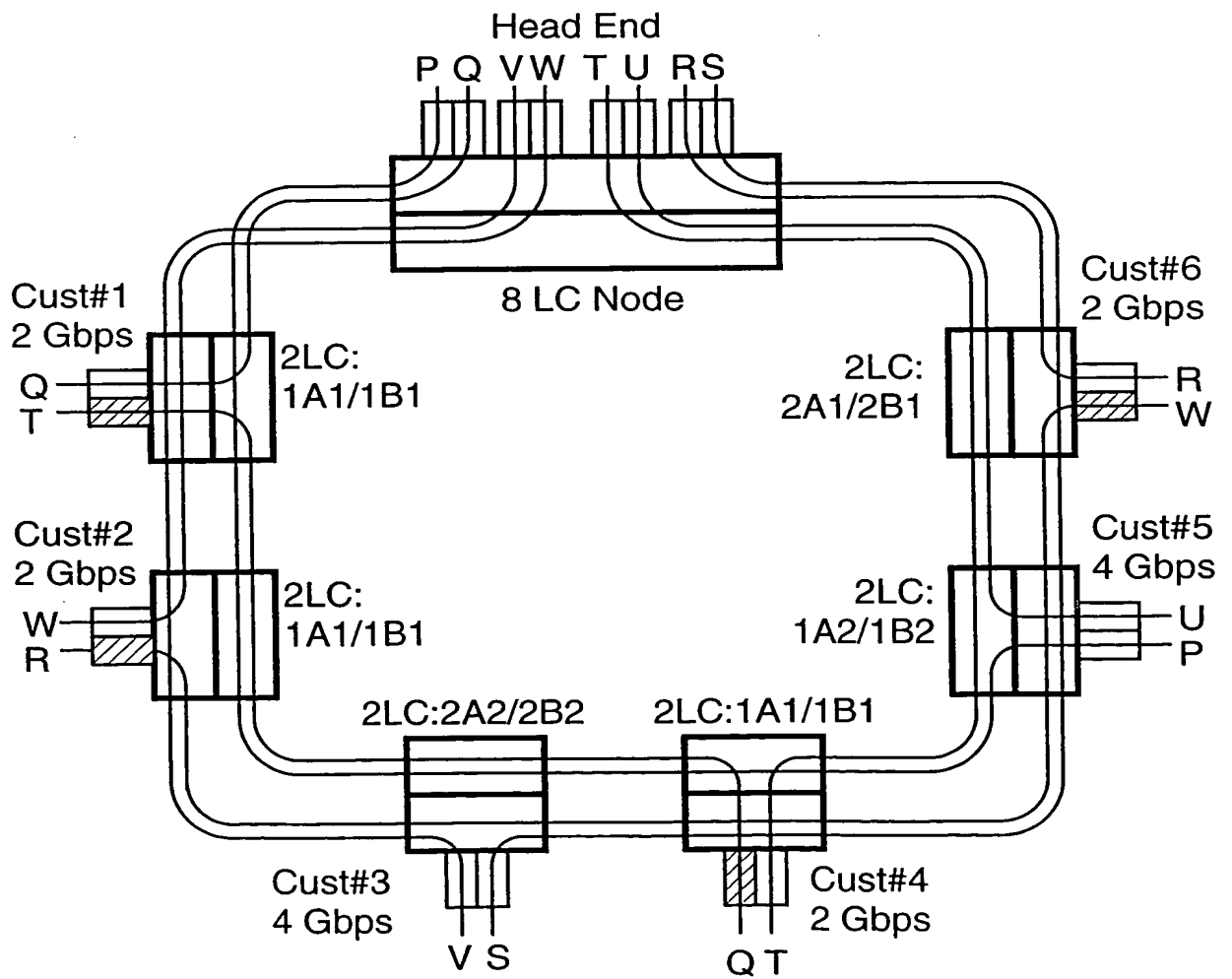
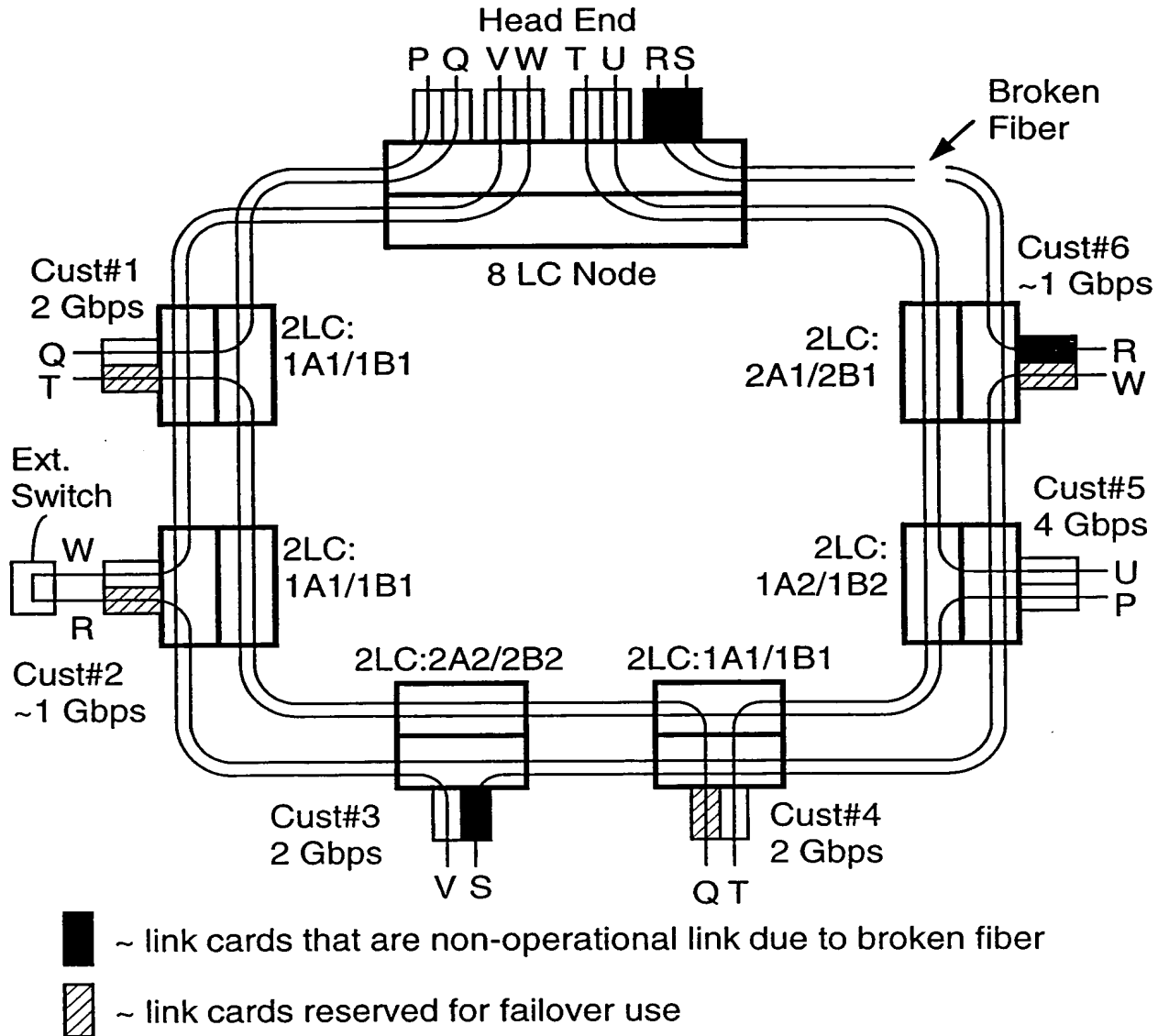


FIG. 12



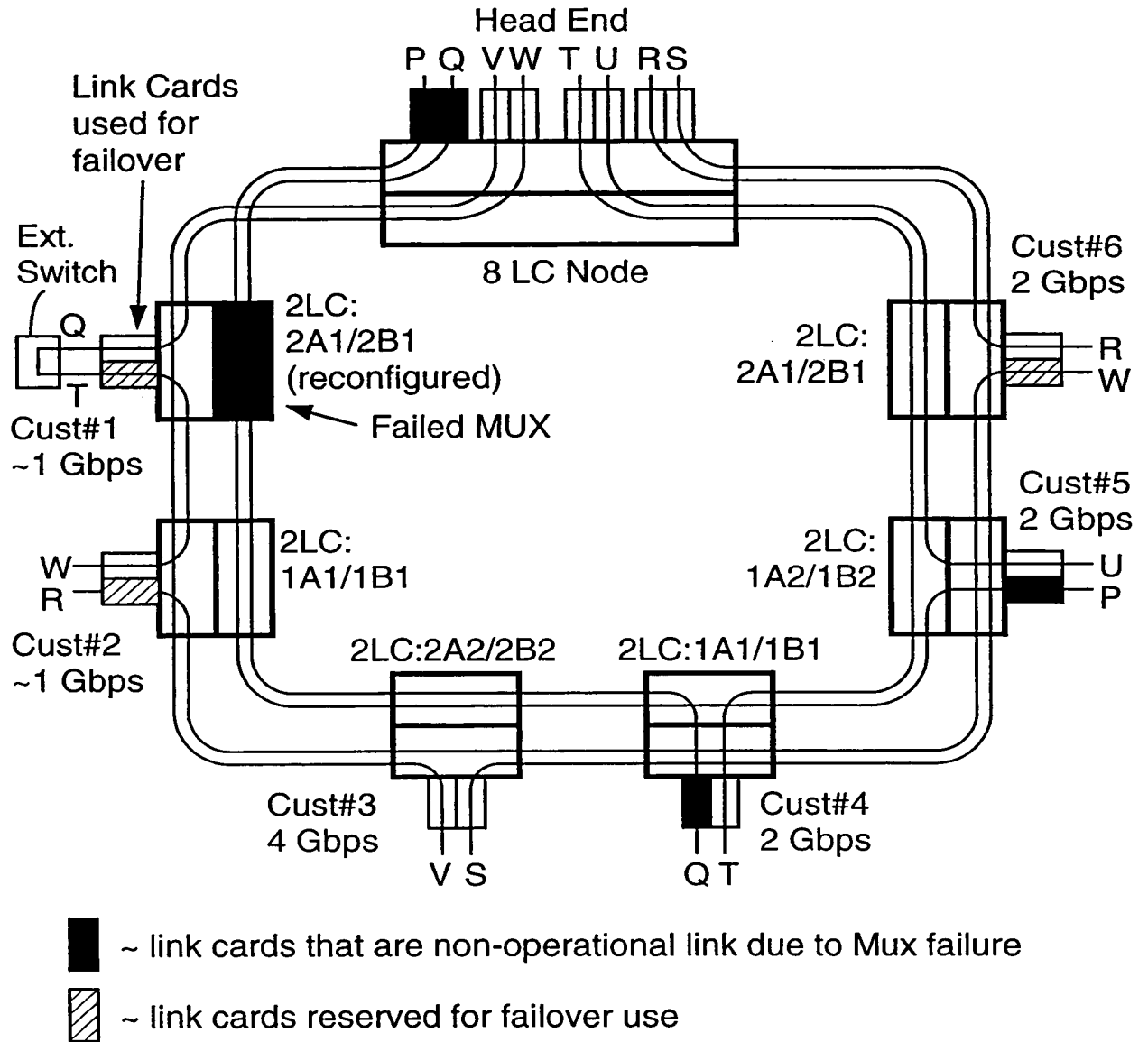
Exemplary Optical Communication System Deployment

FIG. 13



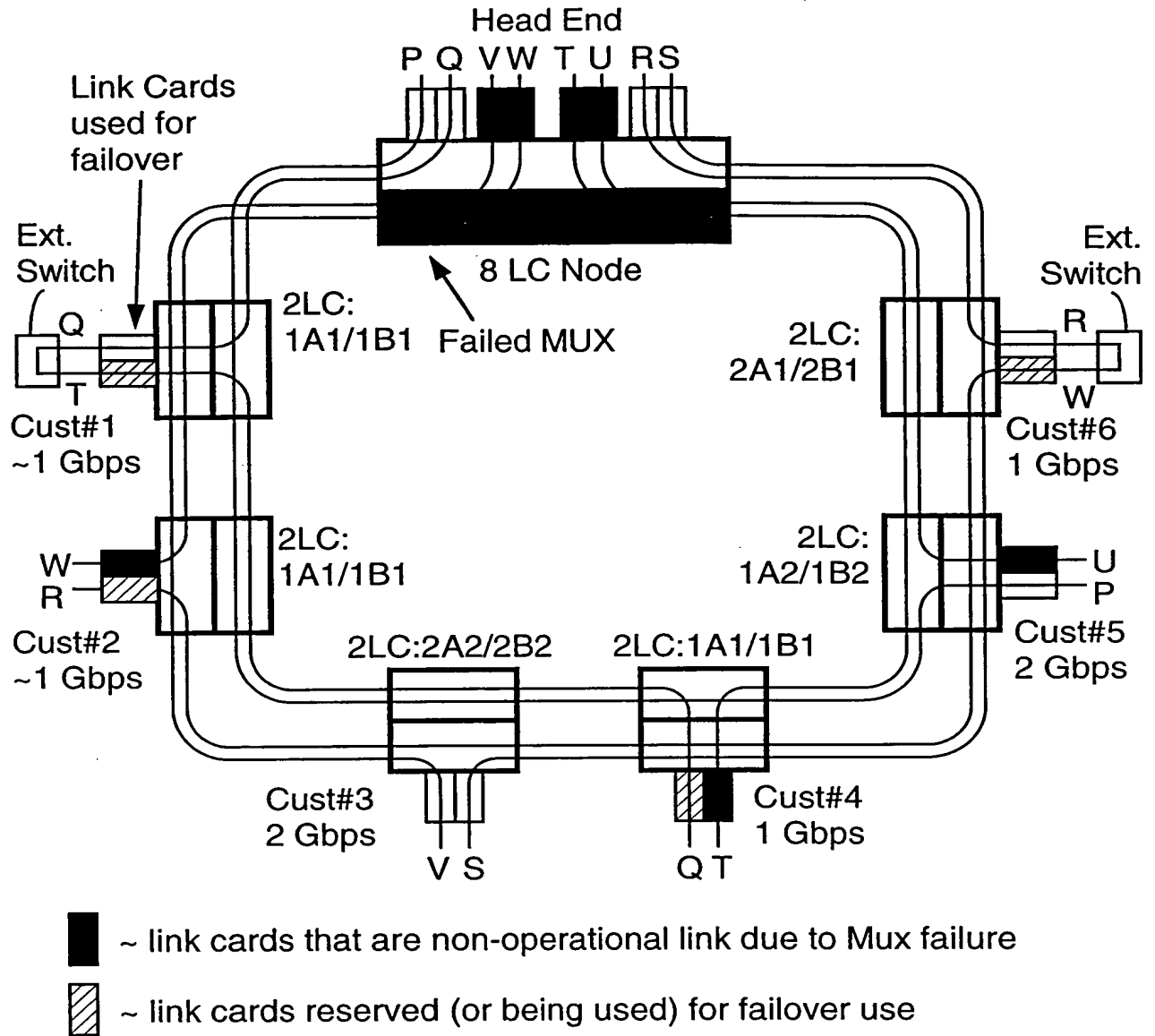
Broken Fiber Failover

**FIG. 14**



Failed Customer MUX Failover

**FIG. 15**



Failed Head End MUX Failover

**FIG. 16**

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